

WHAT IS CLAIMED IS:

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1. A data receiving method, comprising the steps of:
extracting required data from among received digital
signal data;
decoding the extracted data by using a predetermined
decoding key;
determining whether the decoded data is normal; and
deleting the decoded data when having determined that
the decoded data is not normal.
 2. A data receiving method according to Claim 1,
wherein said received digital signal data include computer-
processable data.
 3. A data receiving method according to Claim 2,
wherein in the decoding step, decoding is performed in real
time for each packet of the extracted data.
 4. A data receiving method according to Claim 3,
wherein the determining step is performed by determining
whether decoding has been normally performed in real time
for each packet of the extracted data.
 5. A data receiving method according to Claim 1,

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wherein the determining step is performed by determining whether the result of decoding a decoding diagnosis code added beforehand to each packet of the extracted data is coincident with a code used at a transmitting side.

6. A data receiving method according to Claim 5, wherein said decoding diagnosis code is a constant.

7. A data receiving method according to Claim 4, wherein in the deleting step, data which has not been normally decoded in real time is deleted in real time.

8. A data receiving method according to Claim 1, wherein only when the method has determined that address data included in said received digital signal data is directed to a receiving side at which the method is used, the decoding step is performed.

9. A data receiving method according to Claim 1, wherein said predetermined decoding key is set by an external input.

10. A data receiving method according to Claim 1, wherein when said predetermined decoding key does not exist in the decoding of a packet of the extracted data, the

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packet is deleted.

11. A data receiving method according to Claim 1, wherein a key identical to that used at a transmitting side for transmitting the digital signal data is used as said predetermined decoding key.

12. A data receiving method according to Claim 1, wherein the method outputs, to the exterior, only data treated as have been normally decoded.

13. A data receiving unit, comprising:
receiving means;
converting means for converting signals received by said receiving means into digital signal data;
data extracting means for extracting required data from among said digital signal data obtained by said converting means;
decoding-key-setting means for setting a decoding key required for decoding the extracted data;
decoding means for decoding the extracted data by using the decoding key set by said decoding-key-setting means;
examination means for examining the data decoded by said decoding means; and
deletion means for deleting data which is treated by

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said examination means as have not been normally decoded.

14. A data receiving unit according to Claim 13, wherein data included in the signals received by said receiving means are computer-processible data.

15. A data receiving unit according to Claim 14, wherein said decoding means decodes each packet of the data in real time.

16. A data receiving unit according to Claim 15, wherein said determining means examines whether each packet of the extracted data has been normally decoded.

17. A data receiving unit according to Claim 13, wherein said examination means examines whether the result of decoding a decoding diagnosis code added beforehand to each packet of the extracted data is coincident with a code used at a transmitting side.

18. A data receiving unit according to Claim 17, wherein said decoding diagnosis code is a constant.

19. A data receiving unit according to Claim 16, wherein said deletion means deletes, in real time, data

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which has not been normally decoded in real time.

20. A data receiving unit according to Claim 13, wherein when said decoding means has determined that address data included in the converted data is directed to said data receiving unit, said decoding means performs decoding.

21. A data receiving unit according to Claim 13, wherein said decoding-key-setting means sets the decoding key based on an external input.

22. A data receiving unit according to Claim 13, wherein when the decoding key for decoding a packet of the extracted data does not exist, said deletion means deletes the packet.

23. A data receiving unit according to Claim 13, wherein a key identical to that used at a transmitting side for transmitting said signals is used as the decoding key set by said decoding-key-setting means.

24. A data receiving unit according to Claim 13, further comprising output means for outputting, to the exterior, only data treated by said examination means as have been normally decoded.

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